

Converting Colors

CIELCh(38, 41.665, 65.861)

Have a look what the booklet for
CIELCh(38, 41.665, 65.861) contains.

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Color

CIELCh(38, 41.311, 66.344)

Conversions

Conversions Part 1

Format	Color
Hex	804E1A
RGB	128, 78, 26
RGB Percent	50%, 31%, 10%
CMY	0.4985, 0.6945, 0.8984
CMYK	0.00, 0.39, 0.80, 0.50
HSL	31°, 66%, 30%
HSV	31°, 80%, 50%
XYZ	11.7862, 10.0881, 2.2972
YIQ	87.0220, 46.4920, -5.5720

Conversions

Conversions Part 2

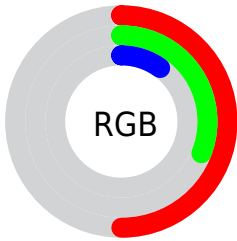
Format	Color
RYB	124, 128, 26
Decimal	8408602
CIELab	38.00, 16.58, 37.84
CIElCh	38, 41.311, 66.344
Yxy	10.0881, 0.4876, 0.4174
Android (android.graphics.Color)	4286598682 (0xFF804E1A)
YUV	87.0220, -30.0838, 35.9377
Hunter-Lab	31.7617, 10.6554, 17.9450

Details

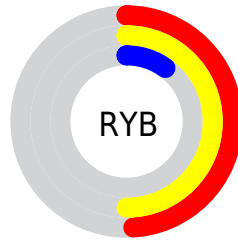
The CIELCh color **38, 41.311, 66.344** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **32, 34.211, 275.243**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 41.535, 66.126**, and **18, 31.791, 57.286** is the 20% darker color. If you saturate the color by 10%, you get **36, 46.105, 64.552**, and if you desaturate by 10%, it is **40, 35.904, 67.823**.

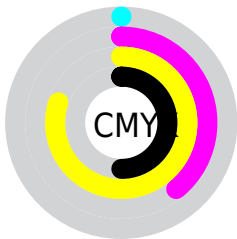
Distribution



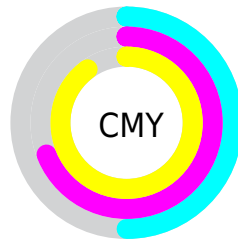
- Red (50%)
- Green (31%)
- Blue (10%)



- Red (49%)
- Yellow (50%)
- Blue (10%)



- Cyan (0%)
- Magenta (39%)
- Yellow (80%)
- Black (50%)



- Cyan (50%)
- Magenta (69%)
- Yellow (90%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 41.311, 66.344 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 38, 41.311, 66.344 by changing the saturation by 10% instead.

 38, 41.311, 66.344

 38, 41.311, 66.344

 100, 41.311,
66.344

 28, 41.311, 66.344

 58, 41.311, 66.344

 18, 41.311, 66.344

 68, 41.311, 66.344

 8, 41.311, 66.344

 78, 41.311, 66.344

 0, 41.311, 66.344

 88, 41.311, 66.344

 98, 41.311, 66.344

 38, 41.311, 66.344

 38, 41.311, 66.344

 36, 46.105, 64.552

 40, 35.904, 67.823

35, 50.488, 62.709

42, 30.312, 69.155

35, 50.615, 62.677

43, 24.765, 70.425

45, 19.374, 71.670

47, 14.186, 72.899

49, 9.213, 74.109

51, 4.449, 75.282

54, 0.118, 258.716

56, 4.505, 257.724

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



38, 41.311, 66.344



32, 34.211, 275.243

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



38, 41.311, 66.344



38, 41.311, 116.344



38, 41.311, 246.344



38, 41.311, 296.344

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



38, 41.310, 66.347



62, 13.988, 73.530



29, 46.719, 354.335



32, 9.749, 73.163



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



38, 41.310, 66.347



46, 59.550, 62.606



52, 52.273, 103.549



26, 2.562, 75.355



35, 50.504, 62.689



0, 0.000, 0.000

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



32, 34.211, 275.243



36, 50.753, 282.980



18, 67.317, 303.234



25, 2.515, 257.687



27, 42.707, 283.501



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 38, 41.311, 66.344 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 38, 41.311, 66.344 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

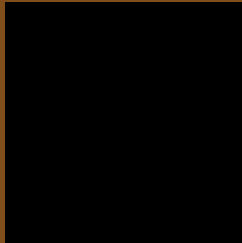
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 38, 41.311, 66.344

Background



This preview shows how black text looks on a background with the CIELCh color 38, 41.311, 66.344.



This preview shows how white text looks on a background with the CIELCh color 38, 41.311, 66.344.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

38, 41.311, 66.344

Protanopia

38, 35.643, 95.515

Deuteranopia

38, 38.778, 82.455



Tritanopia
38, 26.431, 17.336

Trichromacy



Original Color
38, 41.311, 66.344

Protanomaly
38, 36.400, 84.046

Deuteranomaly
38, 39.153, 76.158

Tritanomaly
38, 29.072, 42.178

Monochromacy



Original Color
38, 41.311, 66.344

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 14.568, 72.573

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 41.311, 66.344 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(128, 78, 26)` looks like.

```
.text, #text, p{  
    color:rgb(128, 78, 26)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(128, 78, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 78, 26) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 41.311, 66.344 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(128, 78, 26) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(128, 78, 26) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(128, 78, 26) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 78, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 78, 26);  
box-shadow:4px 4px 4px 4px rgb(128, 78,  
26) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 41.311, 66.344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 78, 26) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(128, 78,  
26) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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